


**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 2

Complete if Known

Application Number	10/005,656
Filing Date	December 4, 2001
First Named Inventor	Mulligan et al.
Group Art Unit	1731
Examiner Name	Fiorilla, C.
Attorney Docket Number	03248.00040

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
CF		US-20020237384	09/12/02	Mulligan et al.	— —
CF		US- 20020154741	10-24-02	Rigali et al	— —
CF		US- 5,688,997	12-31-96	Lysson et al	— —
CF		US- 5,679,157	10-21-1997	Milliman	— —
CF		US- 5116663	05/26/1992	Fujimoto	— —
CF		US- 6046499	04/04/2000	Yano	— —
CF		US- 6171532	01/09/2001	Sterzel	— —
CF		US- 5294387	03/15/1994	Nakano	— —
CF		US- 5120688	06/09/1992	Hsieh	— —
		US-			
		US-			

RECEIVED
JUN 26 2003
TC 1700

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶

Examiner Signature

Date Considered

9/27/03

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



PTO/SB/08B(10-01)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

2

of

2

Complete if Known

Application Number	10/005,656
Filing Date	December 4, 2001
First Named Inventor	Mulligan et al.
Group Art Unit	1731
Examiner Name	Fiorilla, C.
Attorney Docket Number	03248.00040

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS		
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
CF		PCT International Search Report mailed February 25, 2003, (PCT/US02/38804).
CF		PCT International Search Report mailed February 28, 2003, (PCT/US02/38654).
CF		PCT International Search Report mailed March 6, 2003, (PCT/US02/38680).
CF		T. DAXNER, H.J. BÖHM, and F.G. RAMMERSTORFER, "Mesoscopic Simulation of Inhomogeneous Metallic Foams with Respect to Energy Absorption," <i>Computational Materials Science</i> 16, pp. 61-69 (1999).
CF		MARK A. JANNEY, STEPHEN D. NUNN, C. AUDIA A. WALLS, OGBEMI O. OMATEYE, RANDY B. OGLE, GLEN H. KIRBY, and APRIL D. MCMILLAN, "Gelcasting," <i>The Handbook of Ceramic Engineering</i> .
CF		T.J. LU, H.A. STONE and M.F. ASHBY, "Heat Transfer in Open-Cell Metal Foams," <i>Acta Mater.</i> , Vol. 46, No. 10, pp. 3619-3635 (1998).
CF		S. SANTOSA and T. WIERZBICKI, "On the Modeling of Crush Behavior of a Closed-Cell Aluminum Foam Structure," <i>J. Mech. Phys. Solids</i> , Vol. 46, No. 4, pp. 645-669 (1998).
CF		S.P. SANTOSA, T. WIERZBICKI, A.G. HANSSEN and M. LANGSETH, "Experimental and Numerical Studies of Foam-Filled Sections," <i>International Journal of Impact Engineering</i> 24, pp. 509-534 (2000).

Examiner Signature	Ca [Signature]	Date Considered	9/27/03
--------------------	----------------	-----------------	---------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.